

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,020,125 B2
APPLICATION NO. : 09/878586
DATED : March 28, 2006
INVENTOR(S) : Donald L. Schilling

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE

At section (56), U.S. PATENT DOCUMENTS, page 2, left column, line 37, delete "4,894,842 A 1/1990 Broekhoven" and insert therefor --4,894,842 A 1/1990 Broekhoven et al.--.

IN THE ABSTRACT

At section (57), ABSTRACT, page 1, right column, line 4, after the word "signal" delete "notche" and insert therefore --notches--.

At section (57), ABSTRACT, page 1, right column, line 7, after the word "adjacent", delete "tot he" and insert therefor --to the--.

IN THE SPECIFICATION

At column 1, lines 4 & 5, delete "BROADBAND CDMA OVERLAY SYSTEM AND METHOD".

At column 2, line 30, before the word "selected", delete "tot he" and insert therefor --to the--.

At column 3, line 57, after the word "user", delete "uses" and insert therefor --using--.

At column 3, line 58, after the word "user", delete "uses" and insert therefor --using--.

At column 8, line 56, after the word "receiver", delete "is".

At column 12, line 62, after the words "dB and", delete "reduce" and insert therefor --reduces--.

At column 13, line 13, after the word "between", delete " $-\tau$ and τ ," and insert therefor -- $-\pi$ and π ,--.

At column 13, line 27, after the words "value of", delete "is ϕ_m " and insert therefor -- ϕ_m is--.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 13, line 33, delete equation and insert therefor

$$\begin{aligned} -- \quad v_o = & \sqrt{2P_c} T_b d_o + \sqrt{2P_c} T_b \sum_{i=1}^n \cos \Theta_i \frac{1}{T_b} \int_0^{T_b} c_o(t) c_i(t-\tau_i) dt + \\ & \sqrt{2P_A} T_b \sum_{j=1}^n \frac{1}{T_b} \int_0^{T_b} c_o(t) \cos \phi_{mj}(t) + \phi_j dt \quad -- \end{aligned}$$

At column, 13, line 54, delete equation and insert therefor

$$-- \quad I_1 \sqrt{2P_c} \sum_{i=1}^n \cos \Theta_i \int_0^{T_b} c_o(t) c_i(t-\tau_i) dt \quad --$$

At column 13, line 61, delete equation and insert therefor

$$-- \quad I_1^2 = \frac{1}{2}(2P_c) \left[\sum_{i=1}^n \int_0^{T_b} c_o(t) c_i(t-\tau_i) dt \right]^2 \quad --$$

At column 14, line 20, after the word "illustrate", delete "of".

At column 14, line 38, of equation, delete " $\int_0^{T_b}$ " and insert therefor -- $\int_0^{T_c}$ --.

At column 14, line 65, after the word "assumes", delete " $c_i(t) = \sin [\tau t / (T_c)]$ " and insert therefor -- $c_i(t) = \sin [\pi t / (T_c)]$ --.

At column 15, line 3, of equation, delete element " $\frac{\pi T_i}{T_c}$ " and insert therefor

$$-- \quad \frac{\pi \tau_i}{T_c} \quad --$$

At column 15, line 20, of equation, delete element " (t_i) " and insert therefor -- (t) --.

At column 15, line 25, after the word "If", delete " $c'_i(t) = 1 - \cos[2\pi t / (T_c)]$ " and insert therefor -- $c'_i(t) = 1 - \cos[2\pi t / (T_c)]$ --.

At column 15, line 27, after the words "power in", delete " I_j " and insert therefor -- I_i --.

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At column 16, lines 56 & 57, after the words "with a", delete "BER= 10^{-2} " and insert therefor --BER= 10^{-2} --.

At column 17, line 52, before the word "base", delete "spectrums" and insert therefor --spectrum's--.

At column 17, line 65, after the word "For", delete "a" and insert therefor --an--.

At column 18, line 31, after the first use of the word "equation", delete "from the equation".

At column 18, line 67, after the word "band", delete "become" and insert therefor -- becomes--.

At column 19, line 5, after the word "greater", delete "then" and insert therefor --than--.

At column 19, line 21, after the word "higher", delete "then" and insert therefor --than--.

At column 19, line 24, after the word "station", insert --is--.

At column 19, line 52, before the word "ratio", delete "interfere" and insert therefor --interference--.

At column 20, line 7, after the word "filter", delete "333" and insert therefor --333--.

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IN THE CLAIMS

At claim 2, column 21, line 9, after the word "band" delete "used" and insert therefor --user--.

Signed and Sealed this

Twenty-sixth Day of December, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office